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A BIBLIOGRAPHY OF CANADIAN CLIMATE 1972 — 1976

BIBLIOGRAPHIE DU CLIMAT CANADIEN 1972 — 1976

COMPILED BY
COMPIÉ PAR

MORLEY K. THOMAS
and
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A Bibliography of Canadian Climate 1972-1976

INTRODUCTION

This volume of A Bibliography of Canadian Climate spans the period from 1972 through 1976 and includes over 900 entries. Published material having to do with the climate of Canada and its applications has doubled in the last decade. Not only have more articles, reports and books been published during this recent five year period than in any other, but there is a far wider range of subject matter than published previously. In order to make this material available to researchers, reference librarians, information specialists and students of climatology as soon as possible it was decided to publish five years of references rather than wait for a decade of material as had been done with the previous volume.

This bibliography does not contain references to all literature published by Canadian meteorologists over the period 1972 to 1976, nor to all publications issued by the Atmospheric Environment Service. Papers which deal with theoretical and fundamental research, with meteorological instruments and with methods used in forecasting have not been included. Items are listed, however, in those instances when these contain appreciable information on some aspect of Canada's climate. The criteria for inclusion were that the reference should deal substantially with the climate of Canada, and/or with the direct effect or application of climate on Canadian society, the economy or the environment.

SOURCES

Bibliographic citations were obtained primarily from regular inspection of more than 100 key, climatological-relevant journals available in the Downsview Library of the Atmospheric Environment Service and from systematic searches of the library's card files. Routine searches of meteorological bibliographic series such as the American Meteorological Society's Meteorological and Geoastrophysical Abstracts provided additional references. Other publications such as the Canadian Geophysical Bulletin (National Research Council) and the Bibliography on Cold Regions Science and Technology (U.S. Army Cold Regions Research and Engineering Laboratory) have been regularly inspected.

Much useful material was also obtained through "on-line" computerized literature searching using the services of the Environment Canada Headquarters Library in Ottawa.

CONTENT

The organization, style and format of this volume are similar to that used in the two previous editions.

Items in the main body of the bibliography are listed chronologically by year, and then, within each year, alphabetically by author. Each item is iden-

Bibliographie du Climat Canadien 1972-1976

INTRODUCTION

Ce volume de bibliographie sur le climat canadien vise la période de 1972 à 1976 y compris et compte plus de 900 inscriptions. Les publications touchant le climat du Canada et ses applications ont doublé au cours de la dernière décennie. Outre le fait qu'on a publié plus d'articles, de rapports et de livres au cours des cinq dernières années, on a touché à beaucoup plus de sujets que dans les publications antérieures. Pour que les chercheurs, les bibliothécaires, les spécialistes de l'information et les étudiants en climatologie puissent se procurer ces documents le plus tôt possible, on a décidé de publier un livre de référence visant une période de cinq ans, plutôt que d'attendre la fin de la présente décennie comme on l'a fait pour le volume précédent.

Cette bibliographie ne répertorie pas tous les documents publiés de 1972 à 1976 par les météorologistes canadiens, ni toutes les publications diffusées par le Service de l'Environnement atmosphérique. Elle exclut les documents pertinents à la recherche théorique et fondamentale, aux instruments météorologiques et aux méthodes de prévision, mais recense les articles qui renferment des renseignements révélateurs sur un aspect du climat du Canada. Pour être répertoriés, les ouvrages doivent traiter de façon substantielle du climat du Canada, des influences ou des applications directes du climat sur l'économie ou l'environnement de la société canadienne.

SOURCES

Les citations bibliographiques proviennent surtout du dépouillement périodique de plus d'une centaine de revues spécialisées traitant de climatologie et appartenant à la bibliothèque du Service de l'Environnement atmosphérique de Downsview et de recherches systématiques effectuées dans le fichier de cette bibliothèque. Les recherches courantes de séries bibliographiques météorologiques, comme l'*American Meteorological Society's Meteorological and Geostrophysical Abstracts*, ont fourni des références supplémentaires. On a aussi dépouillé de façon régulière d'autres publications comme le *Canadian Geophysical Bulletin* (Conseil national des recherches) et la *Bibliography on Cold Regions Science and Technology* (U.S. Army Cold Regions Research and Engineering Laboratory).

On a aussi recueilli beaucoup d'autres documents utiles grâce à la recherche informatisée directe de documents offerte par la bibliothèque centrale d'Environnement Canada à Ottawa.

CONTENU

L'organisation, le style et la présentation de ce volume sont analogues à ceux des deux éditions précédentes.

On énumère les inscriptions de la principale section de la bibliographie selon l'ordre chronologique par année, puis par ordre alphabétique par auteur.

tified by a serial number which consists of the calendar year of publication followed by a number indicating the alphabetical ranking of the author's surname in that year. Author's Christian names have been reduced to initials in each item for simplicity and uniformity. The complete name of the article is given followed by the name, or abbreviated name, of the publication. A standard number block gives the volume, the number, the issue, and when information is available, the number of pages. The year of the publication is shown last. In referencing books, the publishers name is shown after the title followed by the city, the year of publication, and the number of pages in the book.

Three indexes follow the main body of the bibliography — a subject and geographical index, an index of authors and a reference list. The subject index is a very general one, but it is hoped that it will provide some general assistance in locating references on any specific subject. Many of the papers could have been classified under several subjects but each has been classified in accordance with our impressions regarding the primary contribution of the paper in terms of the viewpoint or approach described. In addition to the list of subjects used in previous editions, 33 new ones were added. Among the newer subjects that have come into prominence are Climatic Modelling, Energy Sources, Environmental Impacts, Recreation and Tourism, Snow Melt and Weather Hazards.

The author index contains a chronological list of the reference numbers of all articles written by each author listed in this volume. In total more than 680 individuals have works cited in this edition, 500 of which are first-time contributors.

The reference index, which appears for the first time, contains listings of articles from each of the major sources. Only those items published in journals, major proceedings or government serials have been indexed, as books and non-serial items were excluded from this index. Almost 150 entries were written by authors from the Atmospheric Environment Service. The most cited journal was *Atmosphere* with 30, the next in popularity (with number of entries) were *Feuillet Météorologique* (24), *Journal of Applied Meteorology* (20), *Climatological Bulletin — McGill University* (17), *Monthly Weather Review* (17), *Proceedings of the Eastern Snow Conference* (16), *Water Resources Research* (14), and *Weather* (14). Lists of subjects and regions used in the index are shown in Appendices II and III.

CORRECTIONS

Although a great amount of effort has been expended in insuring that this document is accurate and complete, readers are encouraged to bring to our attention any worthwhile addenda or serious omissions for inclusion in future editions.

ACKNOWLEDGEMENTS

Many individuals and organizations have cooperated with us in the compilation of this work. The typing, coding, sorting and checking of a bibliography even after the original reference cards have been selected is quite a large

Chaque source possède un numéro de série constitué de l'année civile de la publication suivi d'un numéro indiquant l'ordre alphabétique du nom de famille de l'auteur pour cette année-là. On n'emploie que les initiales des prénoms des auteurs pour chaque source aux fins de simplicité et d'uniformité. Le nom complet de l'article précède le nom ou le nom abrégé, de la publication. Un numéro normalisé donne le volume, le numéro, la fréquence de la parution et, le cas échéant, le nombre de pages. On indique en dernier lieu l'année de la publication. Pour les livres de référence, le nom de l'éditeur figure après le titre, suivi de l'année de la publication et du nombre de pages du livre.

Trois index suivent la bibliographie, un index géographique et par sujets, un index par auteurs et une liste de référence. Malgré l'aspect général du premier index, on espère qu'il permettra de retrouver les références pertinentes à un sujet précis. On aurait pu classer les documents selon plusieurs sujets, mais on les a classés d'après ceux que l'on croyait être le principal apport du document, se fondant sur la méthode d'approche ou les opinions transmises. On a ajouté 33 sujets aux listes des éditions précédentes, parmi ceux-ci figurent l'établissement de modèles climatiques, les sources d'énergie, les répercussions sur le milieu, les loisirs et le tourisme, la fonte des neiges et les sinistres météorologiques.

L'index par auteurs renferme une liste chronologique des numéros de référence de tous les articles de chaque auteur énumérés dans ce volume. L'index de cette édition regroupe plus de 680 auteurs, dont 500 y figurent pour la première fois.

L'index par références, qui figure pour la première fois, répertorie les articles provenant de chacune des principales sources. On n'y énumère que les articles publiés dans des revues, les principaux comptes rendus ou les publications gouvernementales en série, abstraction faite des livres ou articles n'appartenant pas à des publications en série. Près de 150 articles ont été rédigés par des membres du Service de l'Environnement atmosphérique. La revue la plus souvent citée est «Atmosphere» avec 30 inscriptions; vient ensuite, d'après le nombre d'inscriptions, le Feuilleton météorologique (24), le Journal of Applied Meteorology (20), le Climatological Bulletin — McGill University (17), le Monthly Weather Review (17), les Proceedings of the Eastern Snow Conference (16), la Water Resources Research (14), et Weather (14). Les listes des sujets des régions utilisées dans les index figurent aux appendices II et III.

CORRECTIONS

Même si on s'est efforcé de publier un document exact et exhaustif, on incite les lecteurs à nous indiquer tout ajout utile ou omission importante que nous insérerons dans les éditions futures.

REMERCIEMENTS

Un grand nombre de particuliers et d'organismes nous ont aidés à rassembler ce travail. La dactylographie, le codage, le classement et la vérification de la bibliographie, même après le choix des fiches de référence initiales, constituent un travail énorme. Nous tenons à remercier tout spécialement Myra

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M. K. THOMAS

D. W. PHILLIPS

Atmospheric Environment Service
Canada Department of the Environment
January 1, 1979

D'Gabriel et Myrna Headley pour la dernière étape de dactylographie, T.H. Cutler et Y. Durocher pour leurs excellents programmes informatiques, Jan Glover pour son aide à la bibliothèque et Helen McCuaig, de la bibliothèque du ministère d'Environnement Canada, pour ses importantes recherches de vedettes. Nous devons beaucoup à Eileen Veinot qui a, sans compter ses efforts, vérifié et disposé les fiches de référence et les index et a préparé la publication de ce troisième volume.

M. K. THOMAS

D. W. PHILLIPS

Service de l'Environnement atmosphérique

Ministère d'Environnement Canada

1^{er} janvier 1979

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Great Lakes	1972/25	1972/107	1972/109	1974/113 1974/114
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Newfoundland	1972/88	1975/141	1976/128	
North America	1974/25	1974/26		
Northwest Territories	1972/8	1972/54	1972/84	1972/93 1973/37 1973/176 1974/12 1974/13 1974/21 1974/27 1974/44 1974/77 1974/79 1974/134 1974/163 1975/15 1975/61 1975/78 1975/98 1975/186 1976/35 1976/63 1976/99 1976/148
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Prairie Provinces	1972/41	1972/73	1972/74	1972/75 1973/143 1974/90 1974/129 1975/88 1976/10 1976/24 1976/25 1976/100
Quebec	1973/187	1975/59	1975/193	1976/56 1976/61
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Northwest Territories	1972/76	1973/41	1973/89	1973/96 1973/138 1975/184
Ontario	1973/113	1975/171	1976/108	1976/130 1976/132
Prairie Provinces	1972/45	1973/35	1974/61	1974/141
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Newfoundland	1974/111 1975/50
North America	1972/110 1975/189
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Ontario	1974/47 1974/89 1975/123 1976/3 1976/4
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Généralités1972/99 1972/117

Grands Lacs1974/114

Provinces des Prairies1973/137 1975/89

Québec1974/53

DONNÉES EN ALTITUDE

Amerique du Nord1972/71

Canada1972/128 1973/169 1975/56

Provinces des Maritimes1976/53

Provinces des Prairies1975/119

ÉCLAIR

Ontario1974/139

Provinces des Prairies1973/157

ÉCLIPSES SOLAIRES

Arctique1974/138

EFFETS DE LAC

Canada1974/62

Grands Lacs1972/25 1972/49 1972/55 1972/70 1972/107
1972/108 1972/109 1972/114 1972/125
1972/137 1973/181 1973/182 1974/37
1975/46 1975/48 1975/118 1975/121
1976/52 1976/127 1976/133

Ontario1975/142

Provinces des Prairies1973/34 1973/36 1974/35 1974/42 1975/39

Québec1975/142

EFFETS PHYSIOLOGIQUES

Canada	1973/7 1976/7
Colombie-Britannique	1975/182
Généralités	1972/6 1973/6 1976/28 1976/90
Ontario	1972/97
Québec	1972/97 1975/80

EFFETS SUR LE MILIEU

Arctique	1974/118
Canada	1974/99 1975/181
Généralités	1976/74 1976/101
Monde	1976/9 1976/178
Ontario	1975/6 1975/142 1976/29 1976/162
Provinces des Maritimes	1976/40
Provinces des Prairies	1972/111 1976/98
Québec	1974/159 1975/142 1976/61
Territoires du Nord-Ouest	1974/7 1976/27 1976/186

ÉVAPORATION

Amerique du Nord	1975/76
Canada	1972/83
Colombie-Britannique	1974/136
Généralités	1974/165 1975/73 1975/112 1975/113
Grands Lacs	1975/19 1975/45 1975/102 1975/153 1976/44 1976/133
Ontario	1975/57 1976/161
Provinces des Prairies	1973/32 1973/36 1974/42 1975/37 1975/39 1975/92 1976/30 1976/31 1976/32 1976/33

ÉVAPOTRANSPIRATION

Canada	1975/44
Colombie-Britannique	1972/11 1973/117
Généralités	1972/11 1972/57 1972/143 1974/165 1975/112
Grands Lacs	1974/48
Ontario	1972/29 1973/49
Provinces des Maritimes	1973/151
Provinces des Prairies	1973/140 1973/184 1974/140 1975/90 1976/118

FONTES DES NEIGES

Arctique	1973/41 1973/134
Canada	1973/186
Grands Lacs	1972/116 1973/189
Ontario	1973/87 1973/113 1976/108
Provinces des Prairies	1973/35 1974/36 1974/58 1974/59 1975/38
Québec	1974/112 1976/136
Terre-Neuve	1976/49 1976/137
Territoires du Nord-Ouest	1973/41 1973/96 1973/138

FRÉQUENCES DES PRÉCIPITATIONS

Ontario	1976/147
Provinces des Prairies	1974/81 1976/120
Territoires du Nord-Ouest	1973/161

FRÉQUENCES DES TEMPÉRATURES

Provinces des Maritimes	1975/53
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FROIDEUR DU VENT

Canada	1974/15
Québec	1975/80

FUMÉE

Provinces des Prairies1972/51

GELÉE

Canada1972/62 1973/19

Ontario1973/168

Provinces des Maritimes1973/21 1976/15

Québec1973/69 1973/174

Territoire du Yukon1972/47

GÉNÉRALITÉS

Généralités1972/127 1973/165 1974/30

Ontario1974/97

GÉOCHRONOLOGIE

Amerique du Nord1973/2 1974/105 1974/151 1976/152

Canada1973/75 1973/163 1975/2 1975/191

Grands Lacs1975/65

Québec1975/49

Territoire du Yukon1973/85

Territoires du Nord-Ouest1972/12 1972/22 1973/3 1973/105 1973/118

1973/135 1973/155 1974/86

GIVRAGE

Amerique du Nord1972/61

Canada1973/14 1974/31 1974/32 1974/33

Ontario1976/106

Québec1973/43 1975/32 1976/55

Territoires du Nord-Ouest1975/15

GLACES

Arctique1972/1 1972/10 1972/32 1972/115 1973/62

1973/97 1974/118 1974/130 1975/16

1975/66 1975/86 1975/158 1976/20

Baie d'Hudson1972/32

Canada1972/36 1973/56 1975/154

Généralités1974/30

Grands Lacs1972/35 1972/136 1973/23 1973/59 1973/180

1974/20 1974/125 1974/135 1974/164

1974/171 1975/21 1976/6 1976/8

1976/16 1976/142 1976/184

Monde1973/62

Ontario1972/136

Saint-Laurent1973/111 1976/2

Terre-Neuve1972/101 1974/101 1975/162

Territoires du Nord-Ouest1972/10 1972/64 1973/76 1974/45 1974/79

1974/130 1975/8 1975/16 1975/162

1975/170 1976/148

GLACES EN MER

Arctique1973/84 1973/190

Saint-Laurent1973/93 1976/140

GLACIOLOGIE

Amerique du Nord1973/2 1973/12

Arctique1972/3 1974/3 1975/25 1976/97

Canada1973/20 1975/2 1975/84

Colombie-Britannique1973/126

Généralités1972/92

Grands Lacs1974/126

Océan Atlantique1974/46

Provinces des Prairies1972/45 1972/46 1973/115 1973/126

GLACIOLOGIE (suite)

Terre-Neuve	1974/46
Territoire du Yukon	1976/97
Territoires du Nord-Ouest	1972/4 1972/5 1972/17 1972/59 1972/87 1973/3 1973/76 1973/86 1973/118 1973/135 1973/155 1974/3 1974/45 1974/83 1975/8 1975/107 1976/1 1976/51

GRÊLE

Canada	1975/199
Océan Pacifique	1973/53
Provinces des Prairies	1973/53 1973/133 1973/178 1973/191 1974/98 1975/197 1975/198
Québec	1973/57
Territoires du Nord-Ouest	1973/57

HAUTE ATMOSPHERE

Arctique	1972/21
Territoires du Nord-Ouest	1972/9 1972/21

HAUTEUR DE MÉLANGE

Ontario	1973/10
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HISTORIQUE

Baie d'Hudson	1976/111
Canada	1972/82 1974/124 1974/149 1975/172 1975/174 1975/199
Généralités	1972/127 1973/165
Territoires du Nord-Ouest	1972/31 1974/134 1976/149

HUMIDITÉ

Provinces des Prairies	1975/74
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HUMIDITÉ DU SOL

Canada	1973/10 1973/108 1974/67
Généralités	1972/33
Ontario	1974/24 1974/154
Provinces des Prairies	1974/119 1974/141
Territoires du Nord-Ouest	1974/56

HYDROLOGIE

Amerique du Nord	1974/34
Canada	1972/65 1976/158
Généralités	1974/131
Grands Lacs	1972/35 1973/59 1973/181 1975/104 1976/70
Monde	1976/104
Ontario	1975/171
Québec	1974/40 1975/72 1975/137
Territoires du Nord-Ouest	1972/76 1973/149 1974/2 1974/80 1974/91 1975/79

HYDROMÉTÉOROLOGIE

Colombie-Britannique	1974/49 1974/50 1975/159
Généralités	1973/141
Grands Lacs	1975/146
Provinces des Prairies	1974/141 1974/160
Québec	1974/73 1974/85 1976/56 1976/134

ILES DE GLACE

Océan Atlantique	1974/46
Terre-Neuve	1974/46 1974/128
Territoires du Nord-Ouest	1974/128

INDICE DE GEL

Arctique	1975/25
Canada	1973/24
Grands Lacs	1976/8
Provinces des Maritimes	1976/15
Territoires du Nord-Ouest	1973/26

INONDATIONS

Canada	1972/65
Colombie-Britannique	1975/109 1975/163
Généralités	1972/33
Grands Lacs	1974/22
Provinces des Maritimes	1973/39 1974/28 1974/74
Provinces des Prairies	1973/179 1974/160 1976/114 1976/170
Québec	1974/85 1976/129
Territoires du Nord-Ouest	1972/64 1973/131

INSOLATION

Canada	1972/145 1976/156
Provinces des Prairies	1976/21 1976/109

INSTRUMENTS

Arctique	1974/75
Colombie-Britannique	1974/50 1975/159
Généralités	1974/66 1974/165
Ontario	1973/103 1974/60
Provinces des Prairies	1973/33 1974/156 1975/89 1976/164

INTENSITÉ DE LA PLUIE

Canada	1975/30 1975/150
Colombie-Britannique	1973/147
Ontario	1974/23 1974/116
Provinces des Prairies	1973/137 1975/63 1976/170
Québec	1972/39 1973/51 1973/95 1976/66 1976/129
Territoires du Nord-Ouest	1973/161 1974/19 1976/27 1976/163

IRRIGATION

Colombie-Britannique	1974/133
Généralités	1974/166

LOISIRS ET TOURISME

Canada	1972/102 1972/105 1975/40 1976/36
Ontario	1973/46 1973/61 1976/37 1976/38 1976/57 1976/102
Provinces des Maritimes	1973/68 1974/54
Provinces des Prairies	1975/88 1976/10 1976/24 1976/100
Terre-Neuve	1975/141 1976/128
Territoires du Nord-Ouest	1974/163 1976/35 1976/99

MESSAGES MÉTÉOROLOGIQUES

Canada	1973/167
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MESURE DES PRÉCIPITATIONS

Canada	1975/157
États-Unis	1975/157
Généralités	1972/57 1974/66
Grands Lacs	1974/172
Ontario	1974/89 1975/70
Provinces des Prairies	1976/164
Québec	1975/13

MÉTÉOROLOGIE AÉRONAUTIQUE

Amerique du Nord	1972/61
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MÉTÉOROLOGIE AÉRONAUTIQUE (suite)

Québec1975/33

MÉTÉOROLOGIE AGRICOLE

Canada1973/8 1973/11 1973/108 1973/129 1973/154
1973/185 1974/8 1974/9 1974/10
1974/67 1974/100 1974/132 1974/153
1974/169 1974/170 1975/5 1975/54
1975/181 1976/50 1976/150 1976/171
Colombie-Britannique1973/116 1974/72 1974/96 1974/133
Généralités1972/117 1973/9 1973/50 1973/77 1974/166
1974/167 1975/4 1975/132
Monde1975/180
Ontario1972/29 1973/49 1973/55 1973/170 1974/24
1974/41 1974/154 1975/27 1975/52
1976/147
Provinces des Maritimes1972/13 1973/21 1973/55 1974/41 1974/68
1975/52
Provinces des Prairies1972/7 1972/56 1972/138 1973/184 1973/191
1974/65 1974/117 1974/119 1974/122
1974/129 1974/168 1975/188 1975/198
1976/25 1976/118
Québec1976/34 1976/105 1976/134
Territoire du Yukon1972/47
Territoires du Nord-Ouest1973/129

MÉTÉOROLOGIE FORESTIÈRE

Canada1973/4 1973/106 1973/107 1973/153
1974/103 1974/155 1975/181
Colombie-Britannique1972/11 1972/89 1974/108 1975/125
Généralités1972/11 1972/119
Ontario1974/139 1975/122
Provinces des Maritimes1973/151
Provinces des Prairies1973/71 1973/72 1973/119 1975/151
1975/152
Québec1974/123 1975/148 1976/155
Territoire du Yukon1974/16
Territoires du Nord-Ouest1972/54 1973/119 1974/17 1974/56

MÉTHODOLOGIE

Baie d'Hudson1976/111
Généralités1973/13 1974/30
Monde1976/104
Provinces des Maritimes1976/14

MICROCLIMATOLOGIE

Arctique1973/84
Baie d'Hudson1973/144
Canada1973/128
Colombie-Britannique1973/171
Généralités1974/77 1976/145
Grands Lacs1973/112
Provinces des Prairies1972/90 1972/111 1973/140 1975/34
1976/141
Québec1974/123 1975/144 1975/148 1975/194
1975/196 1976/155
Territoire du Yukon1974/84
Territoires du Nord-Ouest1972/27 1972/69 1972/84 1972/91 1974/14
1974/77 1975/41 1975/164 1975/165
1976/144

MODÉLISATION CLIMATIQUE

Amerique du Nord	1972/53 1976/68
Arctique	1973/41 1973/62 1975/68
Canada	1973/8 1973/128 1974/10 1975/42 1976/158
Généralités	1972/92 1972/143 1973/9 1975/96 1976/165
Grands Lacs	1974/37 1974/48 1975/104 1976/70
Monde	1973/62 1974/55
Ontario	1976/161 1976/162
Provinces des Prairies	1975/94
Territoires du Nord-Ouest	1973/41 1973/188 1975/165 1976/51

NAVIGATION

Arctique	1975/66
Grands Lacs	1974/171 1975/195 1976/184
Provinces des Maritimes	1976/40
Saint-Laurent	1972/16

NEIGE

Canada	1972/40 1972/48 1973/25 1973/110 1973/166 1975/43 1975/60 1975/187
Colombie-Britannique	1973/126
Généralités	1972/33 1972/81 1972/122 1973/114 1973/124 1973/142 1976/5 1976/87
Grands Lacs	1972/70 1973/181 1973/182 1974/164 1975/46 1975/48
Ontario	1975/97 1975/178
Provinces des Maritimes	1972/130 1973/28
Provinces des Prairies	1973/102 1973/126 1973/159 1975/127 1976/88 1976/164
Québec	1972/38 1972/134 1973/101 1974/157
Territoires du Nord-Ouest	1975/111

NIVEAUX DES LACS

Grands Lacs	1973/160 1973/189 1974/22 1975/45 1975/118 1975/120 1976/43
Provinces des Prairies	1973/99 1973/158

NUAGES

Canada	1973/106 1973/107 1974/31
Grands Lacs	1974/5 1974/11
Labrador	1972/23
Québec	1975/149
Territoires du Nord-Ouest	1973/65 1976/64

OBSERVATIONS

Canada	1972/83 1973/56
Colombie-Britannique	1974/49
Généralités	1976/5
Océan Pacifique	1975/36
Provinces des Maritimes	1973/28
Provinces des Prairies	1973/45 1974/156 1976/160
Territoires du Nord-Ouest	1973/86 1973/88

Océanographie

Généralités	1972/92
Océan Pacifique	1973/139 1976/62 1976/168

ORAGES

Ontario	1976/116
Provinces des Prairies	1973/78 1976/154

OURAGANS

Grands Lacs	1974/172 1975/146
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OURAGANS (suite)

Québec1972/43

OZONE

Amerique du Nord1973/91

Généralités1976/74

Monde1973/90

PERGÉLISOL

Amerique du Nord1973/31 1973/60 1974/34

Arctique1972/20

Baie d'Hudson1973/30

Canada1974/152

Généralités1974/76

Ontario1973/30 1975/123

Provinces des Prairies1973/29

Québec1973/73 1973/122 1975/28

Terre-Neuve1975/28

Territoires du Nord-Ouest1972/20 1972/77 1973/29 1974/2 1975/164
1976/186

PÉRIODES DE PLUIE

Canada1974/67

Ontario1974/24 1974/154

PERTURBATIONS DE NOVEMBRE

Grands Lacs1973/160 1974/22

PHÉNOLOGIE

Canada1974/170

Généralités1974/167

Provinces des Prairies1974/65

PHÉNOMÈNES

Provinces des Prairies1974/121

PHÉNOMÈNES NIVEAUX

Canada1973/14

Généralités1972/123

Provinces des Maritimes1972/106

PLANIFICATION DE L'UTILISATION DES TERRE

Canada1973/185 1976/60

Généralités1976/59 1976/122

Grands Lacs1975/120

Ontario1972/86 1973/61 1976/157

Provinces des Prairies1974/117

PLUIE

Provinces des Prairies1973/45

Québec1972/43 1976/91

Territoires du Nord-Ouest1974/56

POLLUTION ATMOSPHÉRIQUE

Amerique du Nord1976/139

Canada1975/117 1975/166

Colombie-Britannique1972/89 1973/48 1974/108 1975/93

États-Unis1974/104 1975/116

Généralités1972/85 1975/4 1975/10

Grands Lacs1973/150 1975/55

Monde1976/9

Ontario1973/92 1973/120 1973/145 1973/192
1974/104 1974/107 1975/116 1975/136

Provinces des Maritimes1973/121

POLLUTION ATMOSPHÉRIQUE (suite)

Provinces des Prairies	1973/16 1973/162 1975/94 1975/128 1976/21 1976/98 1976/109
Québec	1972/14 1972/67 1973/98 1975/33 1975/140
Territoires du Nord-Ouest	1973/47 1974/175 1975/35 1975/124

PRÉCIPITATION PROVOQUÉES

Grands Lacs	1972/137 1973/183
Provinces des Prairies	1973/178

PRÉCIPITATIONS

Arctique	1974/57
Canada	1973/40 1973/172 1974/132
Colombie-Britannique	1973/58 1973/148
Océan Pacifique	1973/139
Provinces des Prairies	1972/63 1972/120 1973/184 1975/99
Québec	1972/39 1975/29
Territoires du Nord-Ouest	1973/176 1974/147 1975/169

PRÉCIPITATIONS OROGRAPHIQUES

Colombie-Britannique	1973/58 1974/49 1974/50 1975/159 1976/39
Provinces des Prairies	1972/124 1973/102 1976/164
Territoire du Yukon	1974/94

PRESSION

Amerique du Nord	1976/183
Monde	1974/102
Territoires du Nord-Ouest	1974/21

PRESSION DE VAPEUR

Canada	1972/128 1975/56
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PRÉVISION

Amerique du Nord	1976/11
Arctique	1973/190
Canada	1974/69
Généralités	1973/100 1975/175
Grands Lacs	1974/135 1975/46 1976/8 1976/142
Labrador	1972/23
Monde	1976/180
Provinces des Maritimes	1974/74 1976/125
Provinces des Prairies	1976/114
Québec	1973/174
Terre-Neuve	1974/146

PRÉVISION DE LA TEMPÉRATURE

Canada	1973/19
Colombie-Britannique	1972/34
Provinces des Prairies	1973/79 1973/80 1973/81 1973/82 1974/70

PRÉVISION DES PRÉCIPITATIONS

Colombie-Britannique	1972/98 1972/112
Ontario	1974/1
Provinces des Maritimes	1972/131

RAYONNEMENT

Amerique du Nord	1976/139
Arctique	1973/84 1974/138
Canada	1974/62 1976/146
Colombie-Britannique	1976/166
États-Unis	1973/146
Généralités	1972/94 1976/76 1976/165 1976/173
Grands Lacs	1972/30 1974/4 1974/5 1974/38 1976/42

RAYONNEMENT (suite)

Ontario	1972/113	1973/87	1973/145	1973/146
	1974/127	1976/18		
Provinces des Prairies	1972/46	1972/90	1972/121	1976/166
Québec	1972/141	1974/111	1974/112	1975/50
	1975/194	1975/196	1976/65	
Terre-Neuve	1974/111	1975/50		
Territoire du Yukon	1974/16			
Territoires du Nord-Ouest	1972/139	1973/65	1974/78	

RAYONNEMENT SOLAIRE

Amerique du Nord	1975/12			
Canada	1972/142	1975/42	1975/67	1975/191
	1976/79	1976/80	1976/150	1976/156
Généralités	1973/124	1976/72		
Monde	1972/133			
Ontario	1972/113	1973/192	1974/87	
Provinces des Prairies	1975/31	1976/77	1976/185	
Territoires du Yukon	1974/95			
Territoires du Nord-Ouest	1973/188			

RECHERCHE MÉTÉOROLOGIQUE APPLIQUÉE A LA CONSTRUCTION

Canada	1975/110
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RECHERCHES SUR LA NEIGE

Canada	1975/155
Colombie-Britannique	1975/160
Ontario	1975/70
Québec	1975/72
Territoire du Yukon	1974/84

RELEVÉS NIVOMÉTRIQUES

Ontario	1973/103	1974/60
Provinces des Prairies	1974/142	1975/89
Québec	1972/103	1974/157

RÉSEAUX

Canada	1976/19
Colombie-Britannique	1973/58
Ontario	1974/29
Provinces des Prairies	1976/185
Québec	1974/73

RISQUES MÉTÉOROLOGIQUES

Canada	1974/158	1975/43	1976/67
États-Unis	1974/158		
Généralités	1976/101		
Ontario	1976/106		

ROSÉE

Canada	1973/173
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RUISSellement

Arctique	1973/41	1973/134
Canada	1972/37	
Ontario	1973/113	1975/171
	1976/108	1976/130
	1976/132	
Provinces des Prairies	1972/45	1973/35
Québec	1975/51	1974/141
Terre-Neuve	1976/49	1976/137
Territoires du Nord-Ouest	1972/76	1973/41
	1973/89	1973/96
	1973/138	1975/184

SATELLITE

Amerique du Nord	1974/143
Arctique	1972/1 1974/143
Canada	1972/36 1972/79 1975/187
Grands Lacs	1974/145 1974/164
Monde	1976/181
Provinces des Prairies	1974/58 1974/61
Québec	1975/138
Territoires du Nord-Ouest	1972/69

SCIENCE ÉCONOMIQUE CLIMATOLOGIQUE

Canada	1973/25 1974/100 1976/48 1976/67 1976/103
Généralités	1973/100 1975/103 1976/59
Monde	1975/180 1976/107
Ontario	1976/102
Provinces des Prairies	1972/7 1974/168
Territoires du Nord-Ouest	1975/85

SÉCHERESSE

Provinces des Prairies	1976/22 1976/23 1976/120
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SOURCES ÉNERGÉTIQUES

Canada	1975/67 1976/78 1976/79 1976/80 1976/112 1976/150 1976/156
Généralités	1976/176
Provinces des Prairies	1974/109 1976/77

STATISTIQUES

Amerique du Nord	1976/12
Canada	1974/67 1974/69 1974/103 1975/24
Colombie-Britannique	1972/98 1976/69
Généralités	1975/73
Océan Atlantique	1974/46
Océan Pacifique	1976/62
Provinces des Maritimes	1975/26
Provinces des Prairies	1973/78 1973/79 1973/80 1973/81 1973/82 1974/70 1975/127 1975/151 1975/188
Québec	1976/84
Terre-Neuve	1972/88 1974/46

SYSTÈMES MÉTÉOROLOGIQUES

Grands Lacs	1976/86
Territoires du Nord-Ouest	1972/42 1976/94

TACHES SOLAIRES

Monde	1974/102
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TEMPÉRATURE

Amerique du Nord	1975/106
Arctique	1974/57 1974/130
Canada	1972/96 1973/40 1973/127 1973/129 1974/132 1974/153
Colombie-Britannique	1972/129 1976/174
Généralités	1975/132
Monde	1975/200
Océan Atlantique	1974/96
Ontario	1973/87 1975/133
Provinces des Maritimes	1973/21 1975/26 1976/14 1976/15
Provinces des Prairies	1972/50 1972/60 1972/66 1973/36 1973/54 1974/36 1974/42 1975/38 1975/39 1976/119
Territoires du Nord-Ouest	1973/88 1973/129 1974/130 1975/41

TEMPÉRATURE DE L'EAU

Amerique du Nord	1976/115	1976/143
Arctique	1974/75	1975/115
Grands Lacs	1972/68	1972/136 1974/145 1974/161 1974/162 1975/105 1975/147 1975/153 1976/13 1976/54 1976/86 1976/179
Océan Pacifique	1972/26	1973/22 1973/53 1973/64 1975/36 1976/115
Ontario	1972/136	1975/185
Provinces des Prairies	1972/66	1973/53 1976/30 1976/31 1976/32 1976/33
Saint-Laurent	1976/2	1976/140
Territoires du Nord-Ouest	1974/92	

TEMPÉRATURE DU SOL

Arctique	1974/130
Canada	1972/96 1973/5 1973/10 1973/108 1973/127 1973/128 1975/54 1975/134 1975/135 1976/126 1976/182
Colombie-Britannique	1972/129
Ontario	1975/133
Provinces des Prairies	1973/29 1975/108 1975/188
Québec	1976/34
Territoires du Nord-Ouest	1972/77 1973/29 1974/93 1974/130 1975/164

TEMPÉRATURES EXTRÊMES

Canada	1972/104	1974/69
Provinces des Prairies	1973/63	1973/79 1973/80 1973/81 1973/82 1974/70
Territoires du Nord-Ouest	1972/104	

TEMPÊTES

Canada	1972/48
Grands Lacs	1973/160 1975/118
Ontario	1976/92 1976/93
Québec	1973/74 1976/83
Territoires du Nord-Ouest	1973/109 1976/27 1976/163

TEMPÊTES DE VERGLAS

Provinces des Prairies	1973/17
Québec	1973/42 1974/51

TEMPS ESTIVAL

Colombie-Britannique	1973/147
États-Unis	1974/144
Grands Lacs	1972/55
Ontario	1976/92
Provinces des Prairies	1972/24 1972/75 1973/133 1976/135
Territoires du Nord-Ouest	1973/109

TEMPS FRONTAL

États-Unis	1975/192
Grands Lacs	1975/100
Québec	1975/140
Territoires du Nord-Ouest	1975/192

TEMPS HIVERNAL

Amerique du Nord	1976/46
Canada	1973/7
Généralités	1976/28
Grands Lacs	1973/182
Océan Atlantique	1976/46

TEMPS HIVERNAL (suite)

Ontario	1973/170
Provinces des Prairies	1973/17
Québec	1976/83

TEMPS PROPICE AU VOL

Canada	1973/107
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TENDANCES DE LA TEMPÉRATURE

Amerique du Nord	1973/156	1975/77	1976/110	1976/175
Canada	1975/168			
Provinces des Prairies	1976/71			

TENDANCES DES PRÉCIPITATIONS

Provinces des Prairies	1976/120
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TOPOCLIMATOLOGIE

Baie d'Hudson	1973/144			
Colombie-Britannique	1973/48	1973/148	1974/50	1975/159
	1976/174			
Généralités	1974/131			
Ontario	1976/116			
Provinces des Prairies	1972/121	1973/104	1974/59	1974/141
	1975/99			
Québec	1975/143	1975/194	1975/196	
Territoire du Yukon	1974/95			
Territoires du Nord-Ouest	1972/139	1974/14	1976/172	

TORNADES

États-Unis	1975/139
Ontario	1972/44 1975/156
Provinces des Prairies	1976/153
Québec	1975/139
Territoires du Nord-Ouest	1973/38 1976/75

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APPENDIX I — APPENDICE I

INDEX OF PERIODICALS WITH ABBREVIATIONS

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Acta Arctica	
Advances in Geophysics	
Agric. Meteorol.	Agricultural Meteorology
Agronomy J.	Agronomy Journal
Alternatives	
Ambio	
Annals de Geophysiques	
Ann. Assoc. Amer. Geogr.	Annals of the Association of American Geographers
Arch. Meteorol. Geophys. Bioklimatol.	Archiv für Meteorologie Geophysik und Bioklimatologie
Arctic	
Arctic and Alpine Res.	Arctic and Alpine Research
Atmosphere	
Atmospheric Environment	
Boundary-Layer Meteorol.	Boundary Layer Meteorology
Bull. Amer. Met. Soc.	Bulletin of the American Meteorological Society
Cahiers de Géographie de Québec	
Can. Agric.	Canadian Agriculture
Can. Agric. Eng.	Canadian Agricultural Engineering
Can. Surveyor	Canadian Surveyor
Can. Aeronautics and Space J.	Canadian Aeronautics and Space Journal
Can. Geogr. J.	Canadian Geographical Journal
Can. Geotechnical J.	Canadian Geotechnical Journal
Can. J. Earth Sci.	Canadian Journal of Earth Science
Can. J. For. Res.	Canadian Journal of Forest Research
Can. J. Plant Sci.	Canadian Journal of Plant Science
Can. J. Soil Sci.	Canadian Journal of Soil Science
Climatological Bulletin (McGill Univ.) Communicator	
Environment	
Environmental Pollution	
Environmental Res.	Environmental Research
Feuillelet Météorologique	
For. Chron.	Forestry Chronicle
Geogr. Ann., Stock.	Geographer Annaler Stockholm
Geogr. Rev.	Geographical Review
Great Plains Rocky Mountain Geographical Journal	
Hydrologic Sciences Bulletin	
Intern. J. Biometeorol.	International Journal of Biometeorology

J. Air Pollution Control Assoc.	Journal of Air Pollution Control Association
J. Appl. Geography	Journal of Applied Geography
J. Appl. Meteorol.	Journal of Applied Meteorology
J. Atmos. Science	Journal of Atmospheric Science
J. of the Fisheries Res. Board of Canada	Journal of the Fisheries Research Board of Canada
J. Geophys. Res.	Journal of Geophysical Research
J. Glaciol.	Journal of Glaciology
J. Great Lakes Res.	Journal of Great Lakes Research
J. Hydrol.	Journal of Hydrology
J. Meteorol.	Journal of Meteorology
J. Meteorol. Soc. of Japan	Journal of the Meteorological Society of Japan
J. Physical Oceanogr.	Journal of Physical Oceanography
J. Range Management	Journal of Range Management
J. Weather Modification	Journal of Weather Modification

Limnology and Oceanography

Mariners Weather Log	
Meteorol. Mag.	Meteorological Magazine
Meteorol. Monographs	Meteorological Monographs
Mon. Weath. Rev.	Monthly Weather Review
Musk-Ox	

Naturaliste Can.	Naturaliste Canadien
Nature	
Nature: Physical Science	
Naturwissenschaften	
Northern Engineer	
Notes on Agriculture	

Palaeogeography — Palaeoclimatology — Palaeoecology	
Polarforschung	
Polar Notes	
Polar Record	
Prairie Forum Journal of the Canadian Plains Research Centre	
Publications in Climatology	
Pure and Applied Geophysics	

Quaternary Res.	Quaternary Research
Québec Sci.	Québec Science

Ressources

Science	
Science Dimension	
Science Forum	
Soil Horizons	
Solar Energy	

Tellus	
The Canadian Geographer	
The Crucible	
The Forecaster	
The Lighter	
The Marine Observer	

Water, Air and Soil Pollution
Water and Pollution Control
Water Resources Bulletin
Water Resources Res. Water Resources Research
Weather
Weatherwise

Zephyr

APPENDIX II

LIST OF SUBJECTS USED IN INDEX

Agricultural Meteorology	Freezing Precipitation
Air Masses	Frontal Weather
Albedo	Frost
Atlases	Frost Action
Atmospheric Circulation	General
Atmospheric Pollution	Geochronology
Aviation Weather	Glaciology
	Growing Season
Bibliographies	Gust Speeds
Bioclimatology	
Blizzards	Hail
Building Codes	Haze
Building Research	History
	Humidity
Carbon Dioxide	Hurricanes
Chinooks	Hydrology
Climate	Hydrometeorology
Climate Change	
Climatic Classification	Ice
Climatic Controls	Ice Accretion
Climatic Data	Ice Age
Climatic Data Processing	Ice Fog
Climatic History	Ice Islands
Climatic Maps	Ice Storms
Climatic Modelling	Induced Precipitation
Clouds	Instruments
Coastal Weather	Inversions
Cyclones	Irrigation
Degree Days	Lake Breeze
Dendrochronology	Lake Effects
Design Temperatures	Lake Levels
Dew	Land Use Planning
Diurnal Frequency of Precipitation	Lightning
Diurnal Variation of Temperature	Local Climate
Diurnal Variation of Winds	
Drizzle	Methods
Drought	Microclimatology
Dynamic Climatology	Mixing Height
	Moisture Budget
Energy Budget	
Energy Sources	Navigation
Entomology	Networks
Environmental Impact	November Storms
Evaporation	Nuclear Fallout
Evapotranspiration	
Exploration Reports	Observations
Econoclimate	Oceanography
	Orographic Precipitation
Floods	Ozone
Flying Weather	
Fog	Permafrost
Forecasting	Phenology
Forestry Meteorology	Phenomena
Freezing Index	

Physiological Effects
Precipitation
Precipitation Chemistry
Precipitation Extremes
Precipitation Forecasting
Precipitation Frequencies
Precipitation Measurements
Precipitation Patterns
Precipitation Trends
Precipitation Variability
Pressure
Pressure Pattern Flying

Radar Meteorology
Radiation
Rain
Rain Intensity
Rainfall Cycles
Ranching
Recreation and Tourism
Regional Climates
Runoff

Satellites
Sea Ice
Seiches
Smoke
Snow
Snow Cover — Snow Pack
Snow Density
Snow Loads
Snowmelt
Snow Phenomena
Snow Removal
Snow Research
Snow Surveys
Soil Moisture
Soil Temperatures
Solar Eclipse
Solar Radiation
Statistics
Storm Damage
Storms
Summer Weather
Sunshine
Sunspots
Synoptic Climatology

Temperature
Temperature Extremes
Temperature Forecasting
Temperature Frequencies
Temperature Lapse Rate
Temperature Periodicities
Temperature Trends
Temperature Variability
Terminal Weather
Thunderstorms
Topoclimatology
Tornadoes

Turbidity
Turbulence

Upper Air
Upper Air Data
Upper Winds
Urban Climate

Vapour Pressure
Visibility

Water Balance
Water Temperature
Waves
Weather Cycles
Weather Hazards
Weather Notes
Weather Stations
Weather Systems
Wet Periods
Wind
Wind Chill
Winter Weather

APPENDICE II

LISTE DES SUJETS CONTENUS DANS L'INDEX

Action du gel	Élevage
Age glaciaire	Entomologie
Albédo	Évaporation
Applications du radar à la météorologie	Évapotranspiration
Atlas	Extrêmes de précipitations
Bibliographies	Fonte des neiges
Bilan d'humidité	Fréquence des précipitations
Bilan énergétique	Fréquence diurne des précipitations
Bilan hydrique	Fréquences des températures
Bioclimatologie	Froidueur du vent
Bioxyde de carbone	Fumée
Blizzards	
Brise de lac	Gelée
Brouillard	Généralités
Brouillard glacé	Géochronologie
Bruine	Givrage
Brume	Glaces
Bulletins d'observation	Glaces en mer
	Glaciologie
Cartes climatiques	Gradient vertical de température
Changement climatique	Grêle
Charge nivale	
Chimie des précipitations	Haute atmosphère
Chinooks	Hauteur de mélange
Circulation atmosphérique	Historique
Classification des climats	Humidité
Climat	Humidité du sol
Climat local	Hydrologie
Climat passé	Hydrométéorologie
Climat urbain	
Climatologie dynamique	Iles de glace
Climatologie synoptique	Indice de gel
Climats régionaux	Inondations
Codes de construction	Insolation
Conditions météorologiques aux aéroports	Instruments
Configuration des précipitations	Intensité de la pluie
Couverture de neige	Inversions
Cycles pluviométriques	Irrigation
Cycles météorologiques	
Cyclones	Loisirs et tourisme
Déblaiement de la neige	Masses d'air
Dégâts causés par les tempêtes	Messages météorologiques
Degrés jours	Mesure des précipitations
Dendrochronologie	Météorologie aéronautique
Densité de la neige	Météorologie agricole
Données climatiques	Météorologie forestière
Données en altitude	Méthodologie
Éclair	Microclimatologie
Éclipses solaires	Modélisation climatique
Effets de lac	
Effets physiologiques	Navigation
Effets sur le milieu	Navigation barrique
	Neige

Niveaux des lacs
Nuages

Observations
Océanographie
Orages
Ouragans
Ozone

Pergélisol
Périodes de pluie
Périodicités de la température
Perturbations de novembre
Phénologie
Phénomènes
Phénomènes niveaux
Planification de l'utilisation des terres
Pluie
Pluie se congelant
Pollution atmosphérique
Précipitations provoquées
Précipitations
Précipitations orographiques
Pression
Pression de vapeur
Prévision
Prévision de la température
Prévision des précipitations

Rayonnement
Rayonnement solaire
Recherche météorologique appliquée à la construction
Recherches sur la neige
Régulateurs du climat
Relevés nivométriques
Réseaux
Retombées radioactives
Risques météorologiques
Rosée
Ruissellement

Saison de croissance
Satellite
Science économique climatologique
Sécheresse
Seiches
Sources énergétiques
Stations météorologiques
Statistiques
Systèmes météorologiques

Taches solaires
Température
Température de l'eau
Température du sol
Température type
Températures extrêmes
Tempêtes
Tempêtes de verglas

Temps estival
Temps frontal
Temps hivernal
Temps prédominant des régions côtières
Temps propice au vol
Tendances de la température
Tendances des précipitations
Topoclimatologie
Tornades
Traitement des données climatiques
Trouble atmosphérique
Turbulence

Vagues
Variabilité de la température
Variabilité des précipitations
Variation diurne de la température
Variation diurne des vents
Vent
Vents en altitude
Visibilité
Vitesse des rafales

APPENDIX III
LIST OF GEOGRAPHICAL HEADINGS USED IN INDEX

Arctic
Atlantic Ocean
British Columbia
Canada
General
Global
Great Lakes
Hudson Bay
Labrador
Maritime Provinces
Newfoundland
North America
Northwest Territories
Ontario
Pacific Ocean
Prairie Provinces
Quebec
St. Lawrence
United States
Yukon Territory

APPENDICE III
LISTE DES RUBRIQUES GÉOGRAPHIQUES UTILISÉES DANS
L'INDEX

Amérique du Nord
Arctique
Baie d'Hudson
Canada
Colombie-Britannique
Etats-Unis
Généralités
Grands Lacs
Labrador
Monde
Océan Atlantique
Océan Pacifique
Ontario
Provinces des Maritimes
Provinces des Prairies
Québec
Saint-Laurent
Terre-Neuve
Territoire du Yukon
Territoires du Nord-Ouest

